Contents to volume 230

Obituary

Yuri A. Ovchinnikov v

Research Letters

Two adjacent cysteine residues in the C-terminal cytoplasmic fragment of bovine rhodopsin are palmitylated (FEB 05655) *Yu.A. Ovchinnikov, N.G. Abdulaev, A.S. Bogachuk* 1

Physiological roles of animal succinate thiokinases: Specific association of the guanine nucleotide-linked enzyme with haem biosynthesis (FEB 05670) *T.M. Jenkins, P.D.J. Weitzman* 6

Antibodies against the human cellular 3,3',5-triiodo-L-thyronine-binding protein (p58) (FEB 05680) *T. Obata, T. Fukuda, S. Cheng* 9

Low frequency electric and magnetic fields have different effects on the cell surface (FEB 05635) *M.T. Marron, E.M. Goodman, P.T. Sharpe, B. Greenebaum* 13

The activation and inactivation of the *Dunaliella salina* chloroplast coupling factor 1 (CF_1) in vivo and in situ (FEB 05684) *S. Selman-Reimer, B.R. Selman* 17

The partial purification of a factor from *Dunaliella salina* that causes the rapid in situ inactivation of light-activated chloroplast coupling factor 1 (CF_1) (FEB 05685) *S. Selman-Reimer, B.R. Selman* 21

A zebrafish homologue of the murine *Hox*-2.1 gene (FEB 05661) *P.R. Njølstad, A. Molven, A. Fjose* 25

Identification of a deletion in the LDL receptor gene: A Finnish type of mutation (FEB 05686) *K. Aalto-Setälä, H. Gylling, T. Miettinen, K. Kontula* 31

Muscarinic receptor-mediated intracellular Ca^{2+} mobilization in embryonic chick heart cells (FEB 05689) *H. Schmidt, G. Oettling, U. Drews* 35

Renin inhibitors: Improvements in the stability and biological activity of small peptides containing novel Leu-Val replacements (FEB 05634) *H.D. Kleinert, J.R. Luly, P.A. Marcotte, T.J. Perun, J.J. Plattner, H. Stein* 38

Inhibition of cellular phosphatidylinositol turnover by psi-tectorigenin (FEB 05695) *M. Imoto, T. Yamashita, T. Sawa, S. Kurasawa, H. Naganawa, T. Takeuchi, Z. Bao-quan, K. Umezawa* 43

ATP:AMP phosphotransferase activity, a new characteristic of *Catharanthus roseus* tonoplasts (FEB 05697) *M. Hill, A. Dupaix, M. Nhiri, L. Guyen, B. Arrio* 47

Determination of intermediates, products and cleavage site in the reaction between plasminogen activator inhibitor type-2 and urokinases (FEB 05701) *U. Kiso, H. Kaudewitz, A. Henschen, B. Åstedt, E.K.O. Kruithof, F. Bachmann* 51

Proton NMR resonance assignments and surface accessibility of tryptophan residues of a dimeric phospholipase A_2 from *Trimeresurus flavoviridis* (FEB 05699) *T. Endo, M. Oya, R. Kaptein, G.W. Vuister, H. Kihara, N. Mohri, S. Tanaka, M. Ohno* 57

Characterization of the cDNA synthesized by avian retrovirus reverse transcriptase using 35 S avian myeloblastosis virus RNA and an exogenous bovine primer tRNA (FEB 05687) *L. Sarih, A. Araya, S. Litvak* 61

Isolation and characterization of a (1→3)-β-glucan endohydrolase from germinating barley *(Hordeum vulgare)*: amino acid sequence similarity with barley (1→3, 1→4)-β-glucanases (FEB 05652) *P.B. Høj, A.M. Slade, R.E.H. Wettenhall, G.B. Fincher* 67

Regional distant sequence homology between amylases, α-glucosidases and transglucanosylases (FEB 05692) *B. Svensson* 72

An amphibian two-domain 'big' neurophysin : conformational homology with the mammalian MSEL-neurophysin/copeptin intermediate precursor shown by trypsin-Sepharose proteolysis (FEB 05704) *J. Chauvet, G. Michel, M.-T. Chauvet, R. Acher* 77

Published by Elsevier Science Publishers B.V. (Biomedical Division)

00145793/88/$3.50 © 1988 Federation of European Biochemical Societies

Evidence against a tumour-specific *Eco*RI RFLP of the c-*mos* locus (FEB 05681) *B. Corell, B. Zoll* 81
Identification of three pertussis toxin substrates (41, 40 and 39 kDa proteins) in mammalian brain: Comparison of predicted amino acid sequences from G-protein α-subunit genes and cDNAs with partial amino acid sequences from purified proteins (FEB 05694) *H. Itoh, T. Katada, M. Ui, H. Kawasaki, K. Suzuki, Y. Kaziro* 85
The striatum and cerebral cortex express different muscarinic receptor mRNAs (FEB 05698) *M.R. Brann, N.J. Buckley, T.I. Bonner* 90
Dihydropyridine-sensitive Ca^{2+} channel in aneurally cultured human muscles: Relationship between high-affinity binding site and inhibition of calcium uptake (FEB 05690) *C. Desnuelle, V. Askanas, W.K. Engel* 95
Biosynthesis of very long chain monounsaturated fatty acids by subcellular fractions of developing seeds (FEB 05703) *D.J. Murphy, K.D. Mukherjee* 101
Interaction between the δ-endotoxin produced by *Bacillus thuringiensis* ssp. *entomocidus* and liposomes (FEB 05693) *H. Yunovitz, A. Yawetz* 105
The binding of eosin-labeled subunit δ to the isolated chloroplast ATPase, CF_1, as revealed by rotational diffusion in solution (FEB 05675) *R. Wagner, E.C. Apley, S. Engelbrecht, W. Junge* 109
Glycogen synthase from human and bovine polymorphonuclear leukocyte: Immunochemical characterization and comparison to glycogen synthase from rat and rabbit muscle and liver cells (FEB 05710) *L.H. Rasmussen, H. Juhl, V. Esmann, H.U. Petersen* 116
Modulation of protein kinase C activity by NaF in bone marrow derived macrophages (FEB 05708) *S. Hauschildt, W. Hirt, W. Bessler* 121
Acetylcholine and cholecystokinin receptors functionally couple by different G-proteins to phospholipase C in pancreatic acinar cells (FEB 05707) *S. Schnefel, H. Banfic, L. Eckhardt, G. Schultz, I. Schulz* 125
Pardaxin induces aggregation but not fusion of phosphatidylserine vesicles (FEB 05709) *P.I. Lelkes, P. Lazarovici* 131
Inositol trisphosphate stimulates the release of calcium from intact vacuoles isolated from *Acer* cells (FEB 05711) *R. Ranjeva, A. Carrasco, A.M. Boudet* 137
Identification of the phosphorylated β-tubulin isotype in differentiated neuroblastoma cells (FEB 05706) *R.F. Ludueña, H.-P. Zimmermann, M. Little* 142
Biosynthesis of sialosyllactotetraosylceramide in human colorectal carcinoma cells (FEB 05705) *A. Jolif, V. Liepkans* 147
The presumption of proteolytic enzymes related to the formation of intermediates during the terminal differentiation (FEB 05721) *Y. Katagata, K. Aso* 151
Oxygen radical induced alterations in polyclonal IgG (FEB 05725) *H.R. Griffiths, J. Lunec, C.A. Gee, R.L. Willson* 155
The interaction of MgADP with H^+-ATPase in rat liver mitochondria (FEB 05720) *B.V. Chernyak, V.F. Dukhovich, E.Yu. Khodjaev* 159
The complex of mitochondrial F_1-ATPase with the natural inhibitor protein is unable to catalyze single-site ATP hydrolysis (FEB 05719) *T.Yu. Kalashnikova, Ya.M. Milgrom, N.V. Postanogova* 163
Mode of binding of [^{3}H]dibenzocycloalkenimine (MK-801) to the *N*-methyl-D-aspartate (NMDA) receptor and its therapeutic implication (FEB 05714) *Y. Kloog, V. Nadler, M. Sokolovsky* 167
Bleomycin resistance conferred by a drug-binding protein (FEB 05717) *A. Gatignol, H. Durand, G. Tiraby* 171
Demonstration of a high density lipoprotein (HDL)-binding protein in Hep G2 cells using colloidal gold-HDL conjugates (FEB 05713) *A.M. Kambouris, P.D. Roach, P.J. Nestel* 176
The migratory behavior of avian embryonic cells does not require phosphorylation of the fibronectin-receptor complex (FEB 05715) *J.-L. Duband, S. Dufour, K.M. Yamada, J.P. Thiery* 181
Secretion of a new growth factor, smooth muscle cell derived growth factor, distinct from platelet derived growth factor by cultured rabbit aortic smooth muscle cells (FEB 05724) *N. Morisaki, T. Kanzaki, T. Koshikawa, Y. Saito, S. Yoshida* 186

A novel protein, p19/6.8, specific for cardiac and slow skeletal muscle (FEB 05722) *F.-W. Kluxen* 191
Carbohydrate as covalent crosslink in human inter-α-trypsin inhibitor: a novel plasma protein structure (FEB 05723) *T.E. Jessen, K.L. Faarvang, M. Ploug* 195
Human interferon-γ lacking 23 COOH-terminal amino acids is biologically active (FEB 05728) *M. Sakaguchi, S. Honda, M. Ozawa, O. Nishimura* 201
Functional characterization of Asp-317 mutant of human renin expressed in COS cells (FEB 05716) *T. Yamauchi, M. Nagahama, H. Hori, K. Murakami* 205
The extraction of high-molecular-mass DNA from hair shafts (FEB 05718) *A. Schreiber, E. Amtmann, V. Storch, G. Sauer* 209

Book Reviews and Booklist no. 81 212

Author Index 227

Table of Contents 230

Notes to Authors 233

FEBS News

A NATO/FEBS Advanced Course 1988 235